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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO. 4392	
09/985,852	11/06/2001	Koji Utsugi	Q67040		
7:	590 08/25/2003			•	
	MION, ZINN, MACPI	EAK & SEAS, PLLC	EXAMINER		
2100 Pennsylvania Avenue, N.W. Washington, DC 20037-3202			WEINER, LAURA S		
			ART UNIT	PAPER NUMBER	
			1745		
			DATE MAILED: 08/25/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

•					On -
	Application No.		Applicant(s)		<del>\</del>
	09/985,852		UTSUGI ET AL.		
Office Action Summary	Examiner		Art Unit		- <del></del>
·	Laura S Weiner		1745		
Th MAILING DATE of this communication app Period for Reply	ars on the cover	sheet with the co	orrespondence ad	ldress	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status	36(a). In no event, however within the statutory minin will apply and will expire Society ause the application to	ver, may a reply be time mum of thirty (30) days IX (6) MONTHS from to become ABANDONED	ely filed will be considered time he mailing date of this c (35 U.S.C. § 133).	ly. ommunication.	
1) Responsive to communication(s) filed on 10 J	<u>luly 2003</u> .				
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ Thi	is action is non-fir	ıal.			
<ol> <li>Since this application is in condition for allowa closed in accordance with the practice under I Disposition of Claims</li> </ol>				ne merits is	
4) Claim(s) 1-25 is/are pending in the application					
4a) Of the above claim(s) 6-19 and 21-24 is/are	withdrawn from o	consideration.			
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-5,20 and 25</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	r election requiren	nent.			
Application Papers					
9)☐ The specification is objected to by the Examiner	r				
10) The drawing(s) filed on is/are: a) accep	oted or b) objecte	d to by the Exan	niner.		
Applicant may not request that any objection to the	• ,	-	• •		
11) ☐ The proposed drawing correction filed on	_is: a)∏ approve	d b)⊡ disapprov	ed by the Examin	er.	
If approved, corrected drawings are required in rep	•	on.			
12) ☐ The oath or declaration is objected to by the Exa	aminer.				
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign	priority under 35	U.S.C. § 119(a)	-(d) or (f).		
a)⊠ All b)□ Some * c)□ None of:					
1. Certified copies of the priority documents	s have been recei	ved.			
2. Certified copies of the priority documents	s have been recei	ved in Applicatio	n No		-
Copies of the certified copies of the prior application from the International Bur     See the attached detailed Office action for a list of the certified copies.	reau (PCT Rule 1	7.2(a)).		Stage	
14) ☐ Acknowledgment is made of a claim for domestic	·			l application	n).
a) The translation of the foreign language pro-	visional application	n has been rece	eived.	.,	•
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.	5) 🗌		(PTO-413) Paper No atent Application (PT		

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#### **DETAILED ACTION**

#### Election/Restrictions

- 1. Applicant's election without traverse of Invention I, species I, claims 1-5, 20, 25 in Paper No. 5 is acknowledged.
- 2. Claims 6-19, 21-24, are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in Paper No. 5.

### Claim Objections

3. Claims 1-5, 20, 25 are objected to because of the following informalities: "A anode" should instead be "An anode". Appropriate correction is required.

# Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claim 5 is rejected under 35 U.S.C. 102(b) as being anticipated by Furukawa et al. (5,112,704) or Kawai (JP 7-302617, abstract).

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Furukawa et al. teaches in paragraph 1, lines 15-41, a cell comprising a negative electrode comprising lithium or an alloy of lithium as the active material and an electrolyte comprising LiCF3SO3 solute. When this type of cell is stored for a long period, a reaction occurs between fluorine ionized from lithium active material of the negative electrode. As a result, a layer of lithium fluoride which is a passive substance is formed on the negative electrode surface.

Kawai teaches a battery comprising a positive electrode, a negative electrode made of at least one of a lithium alloy and has on its surface a film containing lithium fluoride.

## Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 1-4, 20, 25 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Furukawa et al. (5,112,704) or Kawai (JP 7-302617, abstract).

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Kawai teaches a battery comprising a positive electrode, a negative electrode made of at least one of a lithium alloy and has on its surface a film containing lithium fluoride.

In the event any differences can be shown for the product of the product by process claim 1, as opposed to the product taught by Furukawa et al. or Kawai, such differences would have been obvious to one of ordinary skill in the art as a routine modification of the product in the absence of a showing of unexpected results. *In re Thrope 227 USPQ 964; (Fed. Cir. 1985)*.

With respect to the product by process claim 1, the determination of patentability is based upon the product itself not upon the method of its production. *In re Thrope 227 USPQ 964; In re Brown 173 USPQ 685; In re Bridgeford 149 USPQ 55; In re Wertheim 191 USPQ 90.* Any difference imparted by the product by process limitations would have been obvious to one having ordinary skill in the art at the time the invention was made because where the Examiner has found a substantially similar product as in the applied prior art, the burden of proof is shifted to the Applicants to establish that their product is patentably distinct. *In re Brown 173 USPQ 685 and In re Fessmann 180 USPQ 324.* 

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### Claim Rejections - 35 USC § 112

8. Claim 25 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 25 does not further limit claim 20 from which the claim depends from because "whereby a lithium secondary cell according to claim 1 is manufactured" is not a method step. Therefore this claim is not in the method claim format.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S Weiner whose telephone number is 703-308-4396. The examiner can normally be reached on M-F (7:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 703-308-2383. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Laura S Weiner Primary Examiner

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